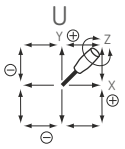
Model H30JH

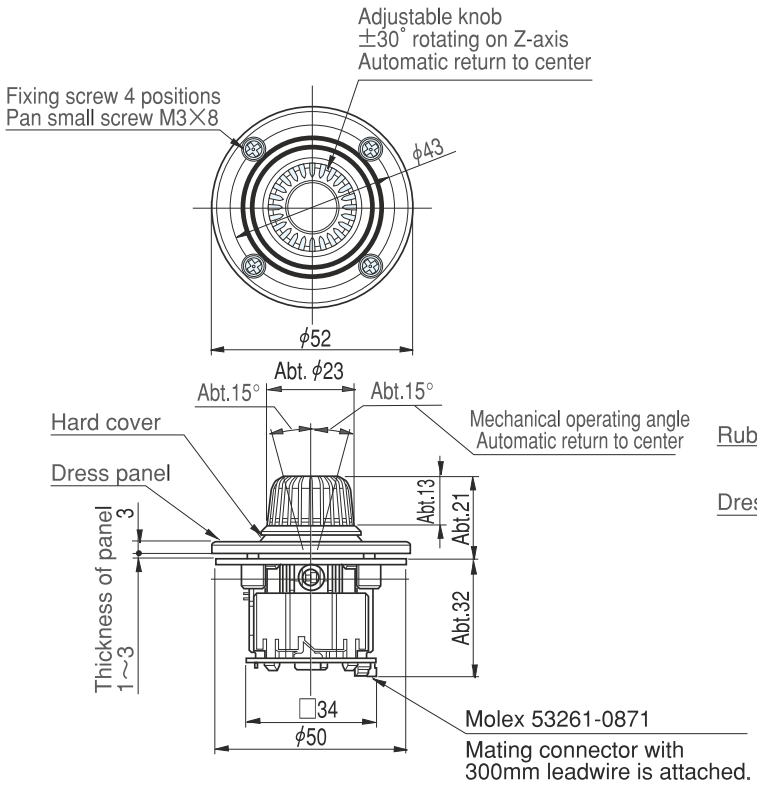
S means special mechanical specifications not applicable to our standard.
H means hall effect IC type resistive element incorporated.
30 means approx. size of base housing in mm.
J **means joystick controller.**
Kind of types
H means 3-dimensional coordinate and low-cost type.
K means square shape.
Mechanism
Z means mechanism of 3-dimensional coordinate type.
Available directions of lever operation
U: In addition to 360° square-directionally operation, 3-dimensional coordinate operation is possible by the rotating knob in which a potentiometer is incorporated.



S H 30 J H K - Z U - 3 S R3 G - 00000

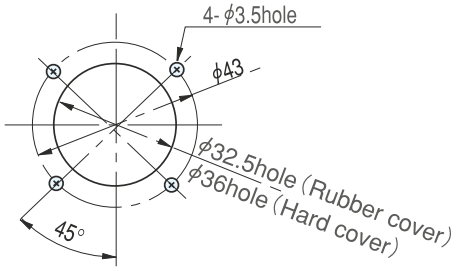
Number of potentiometers to be incorporated
0 no potentiometer incorporated. **1** potentiometer incorporated.
2 potentiometers incorporated. **3** potentiometers incorporated.
Number of output and kind of output characteristic
S: single output. **X:** dual cross output. **P:** dual parallel output.
With spring return device:
R3: with spring return device for 3-dimensional coordinate type.
Mounting accessories:
G: with dust proof rubber cover. P: with sub-panel for mounting.
Special part number:
In case we produce customized products, we add 4-digit or 5-digit branch number.

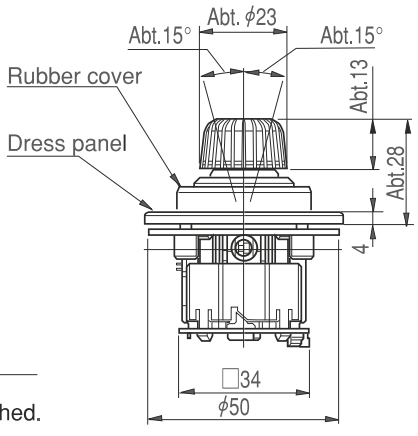
Standard Dimensions



(Hard cover type)

Panel Arrangements





(Rubber cover type)

(Unit：mm)

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Standard specifications

Mechanical performance

Controlling range of operating lever: 3-dimensional coordinate type
X and Y directions: ± 12.5°~± 17.5° from center position
Z directions: ±30°~± 35° from center position
Operating force (Standard spring return device : Automatically return to center)
X and Y directions: Approx.1.5 ~ 3N(150 ~ 300gf)
(X and Y directions with rubber cover: Approx.1.5 ~ 3.5N(150 ~ 350gf))
Z direction: Approx.10 ~ 30mN · m(100 ~ 300gf·cm)
Operating temperature range : - 20℃~60℃
Vibration : 10 ~ 55Hz 98m/s²
Shock : 294m/s²
Life expectancy: Approx.1,000,000 operations.
Mass : Approx.50g

H30JHK-ZU-3SR3
(Hard cover type)

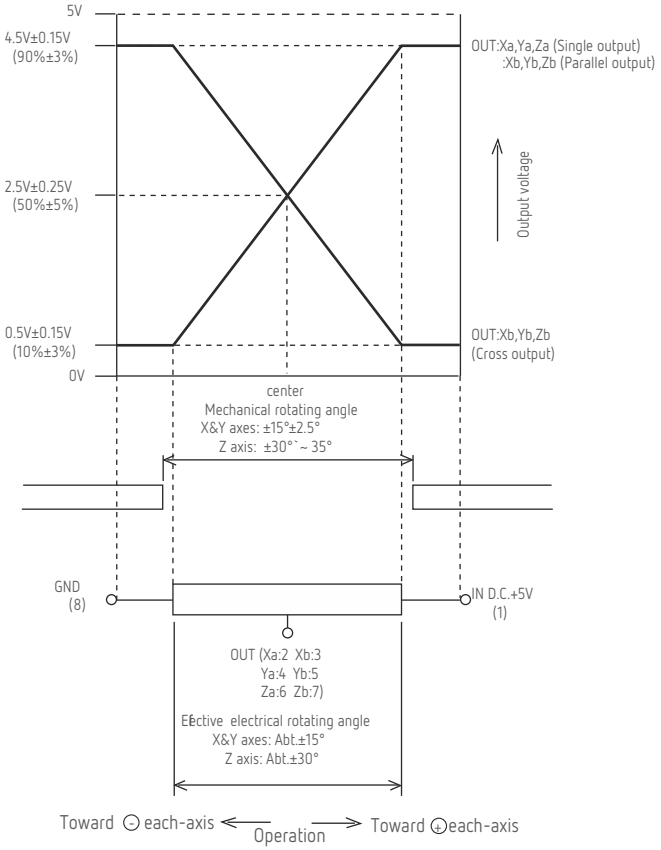
Electrical performance

Hall effect IC type resistive element incorporated
- Applied voltage: 5V ± 10% D.C.
- Effective output: Approx.0.5V~ 4.5V
- Electrical rotating angle: X and Y-axis: Approx. ± 15° Z-axis: Approx. ± 30°
- Independent linearity tolerance: ± 3%
- Load resistance: over 10K Ω

Dielectric strength: 1 minute at 250V.A.C.
Insulation resistance: Over 100MΩ at 250V.D.C.
EMC durability: 50V/m

H30JHK-ZU-3SR3G
(Rubber cover type)

Output characteristic



Terminal connection diagram

Note1: The number in ( ) shows connector number.
Note2: In (1) and GND (8) are shown in main circuit board.

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